



Hackensack River Study Area Remedial Investigation Chronology

The following presents a chronology of the Hackensack River Study Area (HRSA) Remedial Investigation performed by the Peninsula Restoration Group. Attached are Figures showing 1) the Study area in relation to regional waterways; 2) the Study Area boundaries on a recent aerial photograph; and 3) the final river sediment coring locations.

June 25, 2004 – The Group met with the New Jersey Department of Environmental Protection (NJDEP) including then Commissioner Bradley Campbell to discuss investigation and remedial plans that would facilitate the redevelopment of properties on the Kearny Peninsula. Characterization of a portion of the Hackensack River adjacent to the Standard Chlorine Chemical Co. Inc. (SCC) Site is raised by NJDEP and also discussed.

July 13, 2004 - Representatives of NJDEP, National Oceanic and Atmospheric Association (NOAA), the U.S. Fish and Wildlife Service, (USFWS), USEPA and the Group met to discuss the strategy for implementation of a partial investigation of the river in areas near the site. The parties agreed that an appropriate first step would be a reconnaissance type investigation.

August 3, 2004 - The Group submitted to the NJDEP a letter that identified various elements to be addressed by a River Reconnaissance study.

September 3, 2004 - The NJDEP responded that the August 3, 2004 letter generally meets the level of effort agreed upon during the July 13, 2004 meeting.

November 4, 2004 - The Group submitted the Reconnaissance Phase Workplan for the HRSA.

January 28, 2005 - The River Reconnaissance Workplan was approved by NJDEP.

February 1, 2005 – The Group provided a letter to NJDEP indicating it will expedite the implementation of the River Reconnaissance Workplan.

February 11, 2005 - The Group sent a letter to PSE&G inviting them to participate in the assessment of the HRSA. In a response letter to the Group, PSE&G declined to participate.

March and April 2005 - The River Reconnaissance field activities are completed.

May 19, 2005 - The Group submitted the River Reconnaissance Report.

June 3, 2005 - The Group provided to the NJDEP a series maps and spreadsheets constructed to identify potential sources of impacts and discharges to the HRSA.

June 9, 2005 - The Group and NJDEP met to discuss requirements for a Remedial Investigation of the HRSA based on the River Reconnaissance Report. The NJDEP requests that the Group notify them of their willingness to conduct such investigation of the HRSA.

June 17, 2005 - The Group submitted a conceptual plan for investigation of the HRSA and informs the NJDEP it would be willing to conduct the investigation work outlined therein.

November 30, 2005 – The NJDEP conditionally approved the June 17, 2005 conceptual sampling plan and directed the Group to submit a detailed Remedial Investigation Work Plan for review and approval within 30 calendar days of receipt of the letter.

December 29, 2005 - The Hackensack River Study Area Remedial Investigation Work Plan (HRSA RI WP) was submitted to NJDEP. This Work Plan was reviewed by the NJDEP and it also sought comments from USFWS, NOAA and USEPA.

June 20, 2006 – The HRSA RI WP was approved with comments by the NJDEP. It is unclear to the Group which agencies reviewed the Work Plan and provided comments.

July 20, 2006 - The Peninsula Restoration Group (PRG) submitted a Response to Comments document to the NJDEP. The submittal included revised text, tables, figures, and appendices to address comments in the June 20, 2006 NJDEP approval letter.

August 11, 2006 - Permit application letters were sent to the National Marine Fisheries Service, the NJDEP Natural Heritage Program, the United States Army Corps of Engineers, the United States Fish and Wildlife Service, and the NJDEP Historic Preservation Office.

October 24, 2006 - The PRG initiated collection of sediment cores and mudflat samples.

November 9, 2006 – HRSA RIWP implementation activities were completed.

December 2006 - Laboratory analyses were completed.

February 2007 – The Screening-Level Ecological Risk Assessment Work Plan was submitted to the NJDEP.

March 2007 - Data Validation activities were completed.

June 5, 2007 – The HRSA RI Report, including a Screening Level Ecological Risk Assessment, was submitted to NJDEP.

August 5, 2008 – The NJDEP issued a comment letter pursuant to their new “Grace Period Rules, i.e., a Notice of Deficiency (NOD) on the June 2007 HRSA Remedial Investigation Report. The NJDEP technical review team also included representatives of USFWS, NOAA and the USEPA but it is unclear to the Group which agencies reviewed the Work Plan and provided comments.

October 22, 2008 – The Group met with NJDEP and other partner agencies to discuss the NOD.

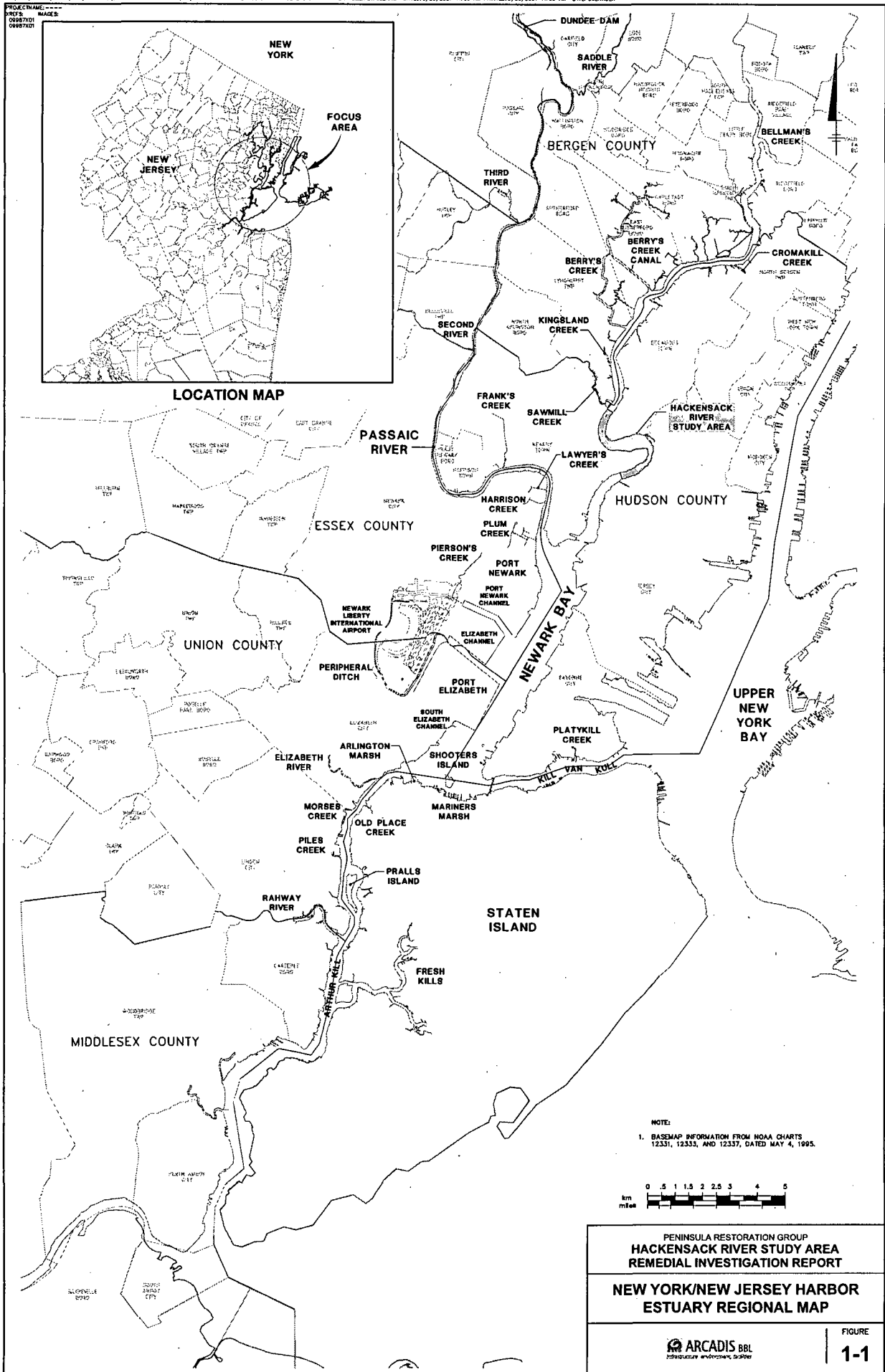
December 19, 2008 – The Group submitted Responses to Comments and the HRSA RI Report, Revision 1.

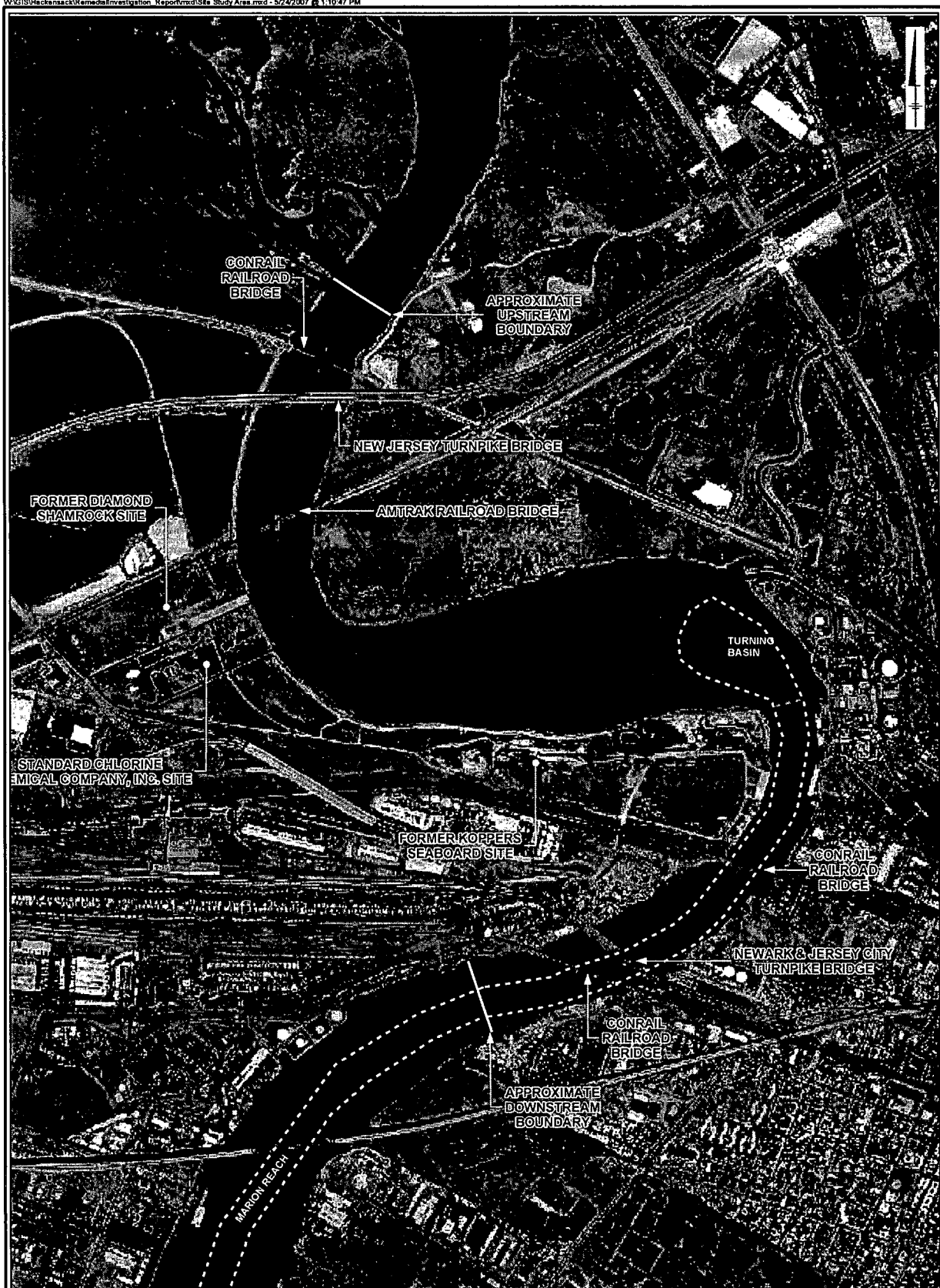
January 2009 – The Group submitted a Hackensack River Study Area Supplemental RI Work Plan that includes sampling to acquire data necessary to complete a Baseline Ecological Risk Assessment.

January 15, 2010 – The NJDEP approved the HRSA RI Report, Revision 1. The NJDEP technical review team also included representatives of USFWS and NOAA but it is unclear to the Group which agencies reviewed the Report. The NJDEP indicated that the EPA declined to comment on the Report. The NJDEP approval letter included comments and recommendation that the NJDEP indicated should be addressed in subsequent investigations. The NJDEP letter also indicated that the January 2009 Hackensack River Study Area Supplemental Remedial Investigation Work Plan was currently under review by the NJDEP technical team.

March 17, 2010 – NJDEP Case Manager informed Group representatives that an NOD for the Supplemental RI Work Plan is drafted but its release is pending resolution of lead agency oversight issues.

*Call 201-261-1000 x
C. J. Caserio
NJDEP Case Manager*



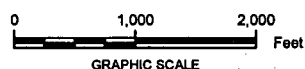


LEGEND:

- STUDY AREA BOUNDARY
- REACH BOUNDARY
- PROPERTY BOUNDARY
- NAVIGATION CHANNEL

NOTES:

1. AERIAL PHOTOS DATED MAY 2002 AND JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
2. NAVIGATION CHANNEL DIGITIZED FROM NAUTICAL CHARTS 12337 22nd ED., NOVEMBER 15, 1997 AND 12333 32nd ED., OCTOBER, 2002.

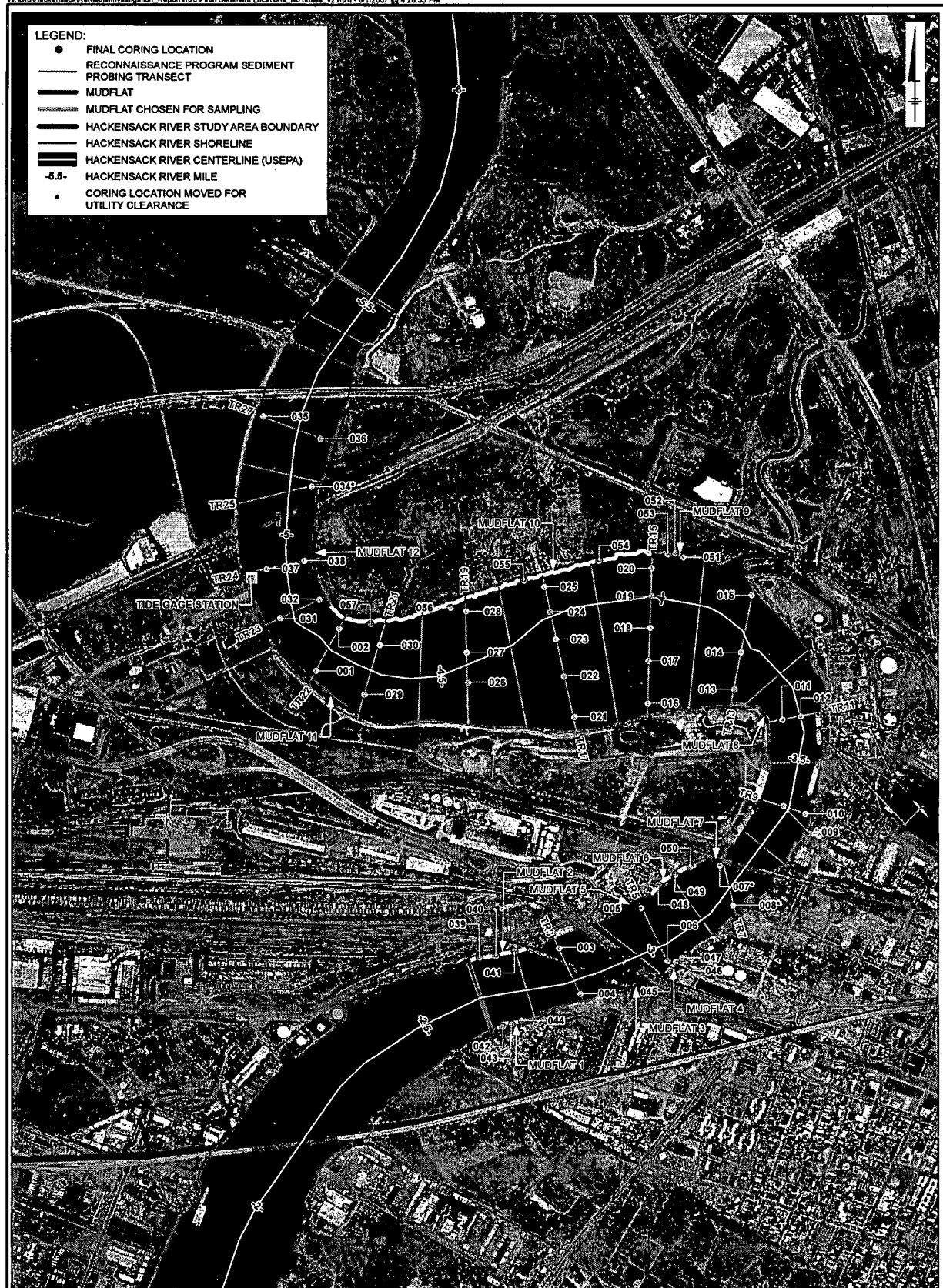


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HACKENSACK RIVER STUDY AREA
REMEDIAL INVESTIGATION REPORT

HACKENSACK RIVER STUDY AREA

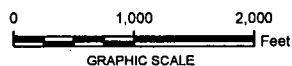


**FIGURE
1-2**



NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE
COORDINATE SYSTEM, NAD83.
2. RIVER OUTLINE DIGITIZED FROM AERIAL PHOTOGRAPHS
DATED MAY 2002 AND JULY 2002 (INTRASEARCH,
ENGLEWOOD, CO).



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FINAL CORING LOCATIONS